

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE		PAGE    OF PAGES	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. <i>(If applicable)</i>	
6. ISSUED BY		CODE	7. ADMINISTERED BY <i>(If other than Item 6)</i>			CODE
8. NAME AND ADDRESS OF CONTRACTOR <i>(No., street, county, State and ZIP Code)</i>			(✓)	9A. AMENDMENT OF SOLICITATION NO.		
				9B. DATED <i>(SEE ITEM 11)</i>		
				10A. MODIFICATION OF CONTRACT/ORDER NO.		
				10B. DATED <i>(SEE ITEM 13)</i>		
CODE		FACILITY CODE				

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS,  
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(✓)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: <i>(Specify authority)</i> THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES <i>(such as changes in paying office, appropriation date, etc.)</i> SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER <i>(Specify type of modification and authority)</i>

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER <i>(Type or print)</i>		16A. NAME AND TITLE OF CONTRACTING OFFICER <i>(Type or print)</i>	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
<i>(Signature of person authorized to sign)</i>		<i>(Signature of Contracting Officer)</i>	

PREVIOUS EDITION UNUSABLE

Save Data Only

Clear Form

Save Data & Form

STANDARD FORM 30 (Rev. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

A-1

<b>SOLICITATION, OFFER AND AWARD</b> <i>(Construction, Alteration or Repair)</i>	1. SOLICITATION NO.  DTFH68-08-B-00001	2. TYPE OF SOLICITATION <input checked="" type="checkbox"/> SEALED BID ( <i>IFB</i> ) <input type="checkbox"/> NEGOTIATED ( <i>RFP</i> )	3. DATE ISSUED  10/16/2007	PAGE OF PAGES  1 OF 2
<b>IMPORTANT - THE "OFFER SECTION ON THE REVERSE MUST BE FULLY COMPLETED BY OFFEROR.</b>				
4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO.	6. PROJECT NO.  UT PFH 39-1(2)		
7. ISSUED BY: FEDERAL HIGHWAY ADMINISTRATION CENTRAL FEDERAL LANDS DIVISION 12300 WEST DAKOTA AVENUE, SUITE 167 LAKEWOOD, COLORADO 80228		CODE: 69050001	8. ADDRESS OFFER TO: Federal Highway Administration Utah Division Office Attn: Carlos Machado, Program Manager 2520 West 4700 South, Suite 9A Taylorsville, UT 84118-1880	
9. FOR INFORMATION CALL SEE PAGE A-3	A. NAME: SEE PAGE A-3		B. TELEPHONE NO. ( <i>Include area code</i> ) SEE PAGE A-3	
<b>SOLICITATION</b>				
<i>NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder."</i>				
10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS:  CONSTRUCTION OF UT PFH 39-1(2), Sevenmile-Gooseberry Road project, IN STRICT ACCORDANCE WITH: <ol style="list-style-type: none"> <li>1. <b>FEDERAL ACQUISITION AND TRANSPORTATION ACQUISITION REGULATIONS (<i>FAR &amp; TAR</i>)</b></li> <li>2. <b>DEPARTMENT OF LABOR, DAVIS BACON MINIMUM WAGE RATES (<i>See Section G</i>)</b></li> <li>3. <b>SPECIAL CONTRACT REQUIREMENTS (<i>See Section I</i>)</b></li> <li>4. <b>PLANS</b></li> <li>5. <b>BID SCHEDULE (<i>See Section B</i>)</b></li> <li>6. <b>STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS, FP-{96}, (1996)</b></li> <li>7. <b>SUBCONTRACTING PLAN (IF APPLICABLE)</b></li> </ol> See Subsection 104.04 of the FP for governing order of precedence  <b><i>All Schedule A work must be completed by December 1, 2009. Option X and Option Y work must be completed by July 30, 2010.</i></b>  <div style="text-align: center;"><del>***ALL WORK MUST BE COMPLETED BY DECEMBER 1, 2009***</del></div>				
11. The Contractor shall begin performance within <u>10</u> calendar days and complete it within <u>  </u> * calendar days after receiving <input type="checkbox"/> award <input checked="" type="checkbox"/> notice to proceed. The performance period is <input checked="" type="checkbox"/> mandatory <input type="checkbox"/> negotiable.				
12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? ( <i>If "YES," indicate within how many calendar days after award in Item 12B.</i> ) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				12B. CALENDAR DAYS  10
13. ADDITIONAL SOLICITATION REQUIREMENTS: <ol style="list-style-type: none"> <li>A. Sealed offers in original and <u>1</u> copies to perform the work required are due at the place specified in Item 8. by <u>2:00 p.m.</u> local time on <del>11/16/2007</del> <b>11/29/07</b>. If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.</li> <li>B. An offer guarantee <input checked="" type="checkbox"/> is <input type="checkbox"/> is not required.</li> <li>C. All offers are subject to the (1) work requirements and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.</li> <li>D. Offers providing less than <u>60</u> calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.</li> </ol>				

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**All technical and contracting questions regarding this solicitation must be submitted in writing to one of the following:**

E-mail address: [CFLContracts@fhwa.dot.gov](mailto:CFLContracts@fhwa.dot.gov)  
FAX Number: 720-963-3360  
Mailing Address: Federal Highway Administration  
Central Federal Lands Highway Division  
Attention: Acquisition and Contracting  
12300 W. Dakota Avenue, Suite 360  
Lakewood, Colorado 80228

Responses will be provided to the individual questioner and also be posted on our website at <http://www.cflhd.gov/procurement/construction/advertised-projects.cfm> under the project link. Potential Offerors are advised to check this site on a regular basis to assure the most current and up-to-date information.

All amendments resulting from this solicitation will be uploaded to the FBO website at [http://www.fbo.gov/spg/DOT/FHWA/68/postdatePrevDays\\_1.html](http://www.fbo.gov/spg/DOT/FHWA/68/postdatePrevDays_1.html) and posted on our website at <http://www.cflhd.gov/procurement/construction/advertised-projects.cfm> under Current Solicitations.

**BIDDERS PLEASE BE ADVISED THAT QUESTIONS RELATIVE TO THIS IFB WILL NOT BE ACCEPTED AFTER 4:00 P.M. MST ON ~~November 13, 2007~~. November 25, 2007.**

B-0

Bid Schedule Instructions

BIDDERS, PLEASE NOTE: Before preparing the bid, carefully read the Solicitation Provisions.

This Bid Proposal is comprised of ~~two~~ **one** schedules **and two options** as follows:

Schedule A: road reconstruction, grading, drainage and base on 8.166 km of roadway.

Option X: road reconstruction, grading, drainage and base on 15.221 km of roadway.

Option Y: road reconstruction, grading, drainage and base on 8.166 km of roadway.

- Insert a numeric unit price for each pay item for which a quantity appears in the bid schedule and each option.
- When the words “Lump Sum” appear as a unit price, insert an amount for each lump sum pay item.
- Multiply the unit price by the quantity for each pay item and show the amount bid.
- Total all amounts bid for each pay item and show the Total on line provided on Pages: B-8 for Schedule A, B-9 for Option X and B-~~10~~ **11** for Option Y.
- Complete the Summary Sheet on Page B-~~11~~ **12**.

Field Laboratory Trailer – a base bid will be solicited using “Item 15401-0000, Contractor Testing. A bid item alternative, “Item 15401-0000, Contractor Testing, *using Government Furnished Field Laboratory*” has been included and requires pricing on the Bid Summary Page (B-~~11~~ **12**).

**Evaluation Factors for Award**

To be eligible for award of a contract, the bidder shall submit prices for each item necessary to complete all contract work in Schedule A, Option X and Option Y.

Evaluation for award of a contract will consist of Schedule A contingent on funds available. Accordingly, contract award will be made to the lowest responsible bidder conforming to the solicitation, provided funds are available.

Evaluation of each option does not obligate the Government to exercise either or both options (FAR Provision 52.217-3, Evaluation Exclusive of Options, April 1984). The Government has the right to exercise either or both options, depending on available funds, no later than 30 days after contract award (FAR Clause 52.217-7), Option for Increased Quantity-Separately Priced Line Item, March 1989).

Once the lowest responsible bidder has been selected for the schedule to be awarded, the Government will determine whether the alternative bid item for the schedule to be awarded will be included. If included, Bid Item 15401, Contracting Testing, will be replaced with Bid Item 15401-0000, Contractor Testing, *using Government Furnished Field Laboratory* in the awarded contract and the final contract award amount will be determined.

~~All work must be completed by December 1, 2009.~~

***All Schedule A work must be completed by December 1, 2009. Option X and Option Y work must be completed by July 31, 2010.***

## Bid Schedule

Project: UT PFH 39-1(2)  
SEVENMILE GOOSEBERRY - PHASE 2

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
15101	Mobilization		
	ALL	Lump Sum	\$_____
15202	Slope, reference, and clearing and grubbing stakes		
	9.000		
	km	\$_____	\$_____
15203	Centerline re-establishment		
	9.000		
	km	\$_____	\$_____
15204	Drainage structure survey and staking		
	41		
	Each	\$_____	\$_____
15207	Grade finishing stakes		
	33.000		
	km	\$_____	\$_____
15209	Miscellaneous survey and staking		
	200		
	Hour	\$_____	\$_____
15210	Miscellaneous survey and staking		
	ALL	Lump Sum	\$_____
15401	Contractor testing		
	ALL	Lump Sum	\$_____
15501	Construction schedule		
	ALL	Lump Sum	\$_____
15702	Temporary turf establishment		
	20		
	ha	\$_____	\$_____
15703	Silt fence		
	7,800		
	m	\$_____	\$_____

## Bid Schedule A

Project: UT PFH 39-1(2)  
SEVENMILE GOOSEBERRY - PHASE 2

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
15709	Check dams (type B) 160 Each	\$ _____	\$ _____
15729	Excelsior log (erosion log) 4,000 m	\$ _____	\$ _____
15737	Check dams (type A) 280 m	\$ _____	\$ _____
20101	Clearing and grubbing 32.0 ha	\$ _____	\$ _____
20301H	Removal of pipe culverts 33 Each	\$ _____	\$ _____
20302V	Removal of fence 98 m	\$ _____	\$ _____
20401	Roadway excavation 356,000 m3	\$ _____	\$ _____
20402	Subexcavation 4,400 m3	\$ _____	\$ _____
20405	Select borrow 28,000 m3	\$ _____	\$ _____
20412	Waste 10,000 m3	\$ _____	\$ _____
**20701AB	Earthwork geotextile type I-B 26,000 m2	\$ _____	\$ _____
20701BB	Earthwork geotextile type II-B 1,300 m2	\$ _____	\$ _____

Bid Schedule A

Project: UT PFH 39-1(2)

SEVENMILE GOOSEBERRY - PHASE 2

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
20701CB	Earthwork geotextile type III-B 600 m2	\$ _____	\$ _____
21001	Permeable backfill 7,200 m3	\$ _____	\$ _____
21101	Roadway obliteration 24,000 m2	\$ _____	\$ _____
25101A	Placed riprap class 1 220 m3	\$ _____	\$ _____
25101B	Placed riprap class 2 61 m3	\$ _____	\$ _____
25101C	Placed riprap class 3 500 m3	\$ _____	\$ _____
25101D	Placed riprap class 4 140 m3	\$ _____	\$ _____
25101D	Placed riprap class 4 (stabilization) 2,140 m3	\$ _____	\$ _____
25112A	Riprap ditch, class 1 (type 3) 860 m	\$ _____	\$ _____
25112A	Riprap ditch, class 1 (type 1) 3,130 m	\$ _____	\$ _____
25112B	Riprap ditch, class 2 (type 3) 140 m	\$ _____	\$ _____
25112B	Riprap ditch, class 2 (type 1) 630 m	\$ _____	\$ _____

Bid Schedule A

Project: UT PFH 39-1(2)

SEVENMILE GOOSEBERRY - PHASE 2

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
25112C	Riprap ditch, class 3 (type 3) 260 m	\$ _____	\$ _____
25112C	Riprap ditch, class 3 (type 1) 1,190 m	\$ _____	\$ _____
25206	Rockery wall 100 m2	\$ _____	\$ _____
25901	Geogrid reinforcement 2,380 m2	\$ _____	\$ _____
30101Z	Aggregate base grading C or D or E 27,000 t	\$ _____	\$ _____
60101	Concrete 22 m3	\$ _____	\$ _____
60201K	450 mm pipe culvert 100 m	\$ _____	\$ _____
60201M	600 mm pipe culvert 700 m	\$ _____	\$ _____
60201N	750 mm pipe culvert 83 m	\$ _____	\$ _____
60201P	900 mm pipe culvert 42 m	\$ _____	\$ _____
60201R	1200 mm pipe culvert 74 m	\$ _____	\$ _____
60206K	End section for 450 mm pipe culvert (metal) 12 Each	\$ _____	\$ _____

Bid Schedule A

Project: UT PFH 39-1(2)

SEVENMILE GOOSEBERRY - PHASE 2



Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
60206M	End section for 600 mm pipe culvert (metal) 56 Each	\$ _____	\$ _____
60206N	End section for 750 mm pipe culvert (metal) 6 Each	\$ _____	\$ _____
60206P	End section for 900 mm pipe culvert (metal) 2 Each	\$ _____	\$ _____
60501	Underdrain system (fill) 970 m	\$ _____	\$ _____
60501	Underdrain system (cut) 1,440 m	\$ _____	\$ _____
60506GP	200 mm perforated collector pipe 530 m	\$ _____	\$ _____
60507G	200 mm outlet pipe 810 m	\$ _____	\$ _____
61001	Horizontal drain pipe 1,710 m	\$ _____	\$ _____
61101	Water system ALL	Lump Sum	\$ _____
61103ND	150 mm encasement pipe polyvinyl chloride (PVC) 147 m	\$ _____	\$ _____
61806	Barrier stone 37 Each	\$ _____	\$ _____
61901BC	Fence barbed wire type, 4 strand 200 m	\$ _____	\$ _____
61901FA	Fence temporary construction 600 m	\$ _____	\$ _____

Bid Schedule A

Project: UT PFH 39-1(2)

SEVENMILE GOOSEBERRY - PHASE 2

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
61902BJ	Gate metal type, 5400 mm width 5 Each	\$ _____	\$ _____
61903D	Cattle guard, 6.0 meter 2 Each	\$ _____	\$ _____
61903K	Cattle guard, 9.6 meter 2 Each	\$ _____	\$ _____
62201AE	Dump truck, 8 cubic meter minimum capacity 80 Hour	\$ _____	\$ _____
62201BA	Backhoe loader, 60 liter minimum rated capacity bucket (300 mm width) 40 Hour	\$ _____	\$ _____
62201CD	Wheel loader, 2 cubic meter minimum rated capacity 80 Hour	\$ _____	\$ _____
62201DA	Bulldozer, 50 kW minimum flywheel power 80 Hour	\$ _____	\$ _____
62201DD	Bulldozer, 120 kW minimum flywheel power 80 Hour	\$ _____	\$ _____
62201L	Motor grader 80 Hour	\$ _____	\$ _____
62201M	Hydraulic excavator 160 Hour	\$ _____	\$ _____
62301	General labor 200 Hour	\$ _____	\$ _____
62406	Placing conserved topsoil 44,000 m3	\$ _____	\$ _____

Bid Schedule A

Project: UT PFH 39-1(2)

SEVENMILE GOOSEBERRY - PHASE 2

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
62501B	Seeding, hydraulic method 19.0 ha	\$ _____	\$ _____
62504B	Mulching, hydraulic method 17.0 ha	\$ _____	\$ _____
62504BBFM	Mulching, hydraulic method, bonded fiber matrix 3.0 ha	\$ _____	\$ _____
63302	Sign installation 39 m2	\$ _____	\$ _____
63307B	Delineators type 2 80 Each	\$ _____	\$ _____
63315	Removing and resetting sign ALL	Lump Sum	\$ _____
63504C	Barricade type 3 114 m	\$ _____	\$ _____
63505B	Barricade type 2 40 Each	\$ _____	\$ _____
63506A	Cone type A 100 Each	\$ _____	\$ _____
63507	Construction sign 154 m2	\$ _____	\$ _____
63508	Drum 400 Each	\$ _____	\$ _____
63509	Flagger 6,000 Hour	\$ _____	\$ _____
63510	Pilot car 2,000 Hour	\$ _____	\$ _____

Bid Schedule A

Project: UT PFH 39-1(2)

SEVENMILE GOOSEBERRY - PHASE 2

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
63511	Temporary concrete barrier 1,000 m	\$ _____	\$ _____
63521B	Warning light type B 2 Each	\$ _____	\$ _____

**TOTAL** \$ \_\_\_\_\_

Submitted by: \_\_\_\_\_  
Name of Bidder

~~B-11~~  
**B-12**

BID SUMMARY SHEET  
FOR  
UT PFH 39-1(2)  
SEVENMILE-GOOSEBERRY ROAD  
FISHLAKE NATIONAL FOREST

SCHEDULE A BID TOTAL \$ \_\_\_\_\_

OPTION X BID TOTAL \$ \_\_\_\_\_

OPTION Y BID TOTAL \$ \_\_\_\_\_

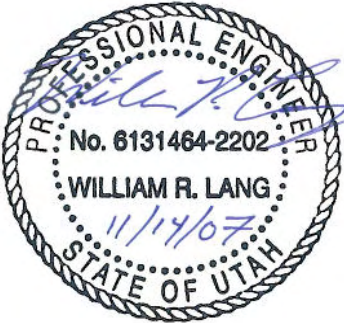
BID SCHEDULE A, ALTERNATIVE BID  
ITEM 15401-0000, CONTRACTOR TESTING,  
USING GOVERNMENT FURNISHED FIELD  
LABORATORY \$ \_\_\_\_\_

REG	STATE	PROJECT	SUBSET NO	TOTAL SHEETS
8	UTAH	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	B1	B21

SHEET NUMBER				B4	B5	B8	B9-B10	B11	B12	B13	B14-B15	B16	B17	B18	B19	B20	B21	BASE CONTRACT ESTIMATED QUANTITIES		REMARKS
SHEET DESCRIPTION				GRADING SUMMARY	ROADWAY OBLITERATION	SURFACING SUMMARY	MAINLINE CULVERT SUMMARY	MINOR ROAD DRAINAGE SUMMARY	CULVERT REMOVAL SUMMARY	EROSION CONTROL SUMMARY	ROADSIDE DITCH SUMMARY	UNDERDRAIN SUMMARY	BLANKET DRAIN SUMMARY	HORIZONTAL DRAIN SUMMARY	MISC. ITEM SUMMARY	PERMANENT TRAFFIC CONTROL SUMMARY	MINOR ROADS SUMMARY	PLAN	BID SCHEDULE	
ITEM NO.	ITEM	UNIT																		
15101	Mobilization	LPSM	1															ALL	ALL	
15202	Slope, reference, and clearing and grubbing stakes	km	8.2															8.2	9	
15203	Centerline re-establishment	km	8.2															8.2	9	
15204	Drainage structure survey and staking	Each	41															41	41	
15207	Grade finishing stakes	km	32.8															32.8	33	
15209	Miscellaneous survey and staking	Hour	200															200	200	
15210	Miscellaneous survey and staking	LPSM	1															ALL	ALL	
15401	Contractor testing	LPSM	1															ALL	ALL	
15501	Construction schedule	LPSM	1															ALL	ALL	
15702	Temporary turf establishment	ha			2.27					16.353								18.6	20	
15703	Silt fence	m								7394								7394	7800	
15709	Check dams (type B)	Each								152								152	160	
15729	Excelsior Log (Erosion Log)	m								3741								3741	4000	
15737	Check dams (type A)	m								264								264	280	
20101	Clearing and grubbing	ha		31.9														31.9	32	
20301H	Removal of pipe culverts	Each							30									30	33	
20302V	Removal of fence	m													98			98	98	
20401	Roadway excavation	m3		338943														338943	356000	
20402	Subexcavation	m3		2966														2966	4400	
20405	Select borrow	m3				26156											255	26411	28000	
20412	Waste	m3		9197														9197	10000	
20701AB	Earthwork geotextile Type I-B	m2											24429					24429	26000	
20701BB	Earthwork geotextile Type II-B	m2				1241												1241	1300	
20701CB	Earthwork geotextile Type III-B	m2				481												481	600	
21001	Permeable backfill	m3											6811					6811.0	7200	
21101	Roadway obliteration	m2			22657													22657	24000	
25101A	Placed riprap class 1	m3									197							197	220	
25101B	Placed riprap class 2	m3						18			26	3						47	61	
25101C	Placed riprap class 3	m3					135	21			303							459	500	
25101D	Placed riprap class 4 (stabilization)	m3					15								1930			1945.0	2140	
25101D	Placed riprap class 4	m3					125											125	140	
25112A	Riprap ditch, class 1 (type 1)	m									2983							2983	3130	
25112A	Riprap ditch, class 1 (type 3)	m									817							817	860	
25112B	Riprap ditch, class 2 (type 1)	m									596							596	630	
25112B	Riprap ditch, class 2 (type 3)	m									137							137.0	140	
25112C	Riprap ditch, class 3 (type 1)	m									1135							1135	1190	
25112C	Riprap ditch, class 3 (type 3)	m									251							251	260	

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11/14/07 8:29 AM



U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
CENTRAL FEDERAL LANDS HIGHWAY DIVISION  
DENVER, COLORADO

SUMMARY OF QUANTITIES

Sheet 1 of 3



REG	STATE	PROJECT	SUBSET NO.	TOTAL SHEETS
8	UTAH	UT PFH 39-1(2) SEVENMILE GOOSEBERRY	B8	B21

SURFACING SUMMARY				
STATION TO STATION		SELECT BORROW	AGGREGATE BASE GRADING C, D, OR E	REMARKS
		20405 CUBIC METER	30101Z <sup>①</sup> METRIC TON	
15+500	16+300	2,609	1,921	
16+300	17+000	2,202	1,640	
17+000	17+700	2,230	1,618	
17+700	18+400	2,403	1,627	
18+400	19+100	2,059	4,827	
19+100	19+800	2,449	1,712	
19+800	20+500	2,340	1,558	
20+500	21+200	2,216	1,671	
21+200	21+900	2,175	1,587	
21+900	22+600	2,107	1,574	
22+600	23+300	2,197	1,600	
23+300	23+669	1,169	830	
PROJECT TOTAL		26,156	22,165	

SURFACING SUMMARY OPTION Y					
STATION TO STATION		SURFACE TREATMENT AGGREGATE GRADATION D	SURFACE TREATMENT AGGREGATE GRADATION E	EMULSIFIED ASPHALT GRADE HFMS-2P	FOG SEAL GRADE CSS-1 OR CSS-1H, SS-1 OR SS-1H
		40901GD METRIC TON	40901GE METRIC TON	40904AP METRIC TON	40908BA METRIC TON
15+500	16+300	130	53	22	4.9
16+300	17+000	121	49	21	4.3
17+000	17+700	104	42	18	4.2
17+700	18+400	110	45	19	4.3
18+400	19+100	111	45	19	4.3
19+100	19+800	112	45	19	4.7
19+800	20+500	107	43	20	4.3
20+500	21+200	104	42	18	4.2
21+200	21+900	114	46	20	4.6
21+900	22+600	109	44	18	4.3
22+600	23+300	104	42	18	4.2
23+300	23+669	61	25	10	2.3
OPTION Y TOTAL		1,289	521	219	50

SPECIAL EMBANKMENT SUMMARY					
STATION TO STATION		EARTHWORK GEOTEXTILE TYPE II-B	EARTHWORK GEOTEXTILE TYPE III-B	GEOGRID REINFORCEMENT	REMARKS
		20701BB SQUARE METER	20701CB SQUARE METER	25901 SQUARE METER	
17+700	18+400		219		
18+400	19+100	1,241	262	2,269	
PROJECT TOTAL		1,241	481	2,269	

SURFACING SUMMARY OPTION X					
STATION TO STATION		SURFACE TREATMENT AGGREGATE GRADATION D	SURFACE TREATMENT AGGREGATE GRADATION E	EMULSIFIED ASPHALT GRADE HFMS-2P	FOG SEAL GRADE CSS-1 OR CSS-1H, SS-1 OR SS-1H
		40901GD METRIC TON	40901GE METRIC TON	40904AP METRIC TON	40908BA METRIC TON
23+669	38+875	2,262	915	349	83.0
OPTION X TOTAL		2,262	915	349	83



VALUES USED FOR ESTIMATING QUANTITIES

Aggregate base: 2.225 metric ton per cubic meter  
Emulsified Asphalt: 1000 Liters per metric ton  
Surface Treatment Aggregate Gradation D Application Rate: 17.3 Kilograms per square meter  
Surface Treatment Aggregate Gradation E Application Rate: 7 Kilograms per square meter  
Fog Seal Application Rate: 0.7 Liters per square meter

NOTES

① Quantities for aggregate base, item 30101Z include curve widening surfacing quantities.

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
CENTRAL FEDERAL LANDS HIGHWAY DIVISION  
DENVER, COLORADO

**SURFACING SUMMARY  
AND  
SPECIAL EMBANKMENT SUMMARY**